Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

HW 87: Arc Length + Review of Sector Area

**Honors Geometry**

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| 1. Find the measure of arc AB.   **../../../../../Desktop/Screen%20Shot%202016-03-13%20at%201.42.52%20PM** | 1. Find the measure of the arc shown below. **../../../../../Desktop/Screen%20Shot%202016-03-13%20at%201.46.02%20PM** |
| 1. Find the measure of the arc shown below. **../../../../../Desktop/Screen%20Shot%202016-03-13%20at%201.46.05%20PM** | 1. Find the measure of arc EF.  **../../../../../Desktop/Screen%20Shot%202016-03-13%20at%201.42.55%20PM** |

Find the area of each sector for the given circles.

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| 1. ../../../../../Desktop/Screen%20Shot%202016-03-13%20at%201.52.09%20PM | 1. **../../../../../Desktop/Screen%20Shot%202016-03-13%20at%201.52.07%20PM** |
| 1. **../../../../../Desktop/Screen%20Shot%202016-03-13%20at%201.52.03%20PM** | 1. **../../../../../Desktop/Screen%20Shot%202016-03-13%20at%201.52.00%20PM** |

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| 1. INSCRIBED SQUARE A square with side length 6 units is inscribed in a circle. Draw a sketch to represent the problem. Find the circumference of the circle. | 1. PIZZA! PIZZA! You stop for lunch at a local pizza shop where pizza is cut into 8 slices. Would your hunger be satisfied with one slice from a 16-in pizza or two slices from a 12-inch pizza (disregarding thickness)? Explain your answer using mathematical evidence. |